Tire Science and Technology Keyword Index to Volume 34 2006

antiresonance
Reducing Tire-Induced Noise and Vibration (C. Yilmaz, G. M. Hulbert, and N. Kikuchi), 135–147 (2006)
bead design
Rim Slip and Bead Fitment of Tires: Analysis and Design (C. Lee), 38–63 (2006)
bead fitment
Rim Slip and Bead Fitment of Tires: Analysis and Design (C. Lee), 38–63 (2006)
CF/SAT system model
A New Analytical Tire Model for Cornering Simulation. Part II: Cornering Force and Self-aligning Torque (N. Miyashita and K. Kabe), 100–118 (2006)
concentric ring model
Rim Slip and Bead Fitment of Tires: Analysis and Design (C. Lee), 38–63 (2006)
contact pressure
Rim Slip and Bead Fitment of Tires: Analysis and Design (C. Lee), 38–63 (2006)
cornering force
A New Analytical Tire Model for Cornering Simulation. Part II: Cornering Force and Self-aligning Torque (N. Miyashita and K. Kabe), 100–118 (2006)
cornering power
A New Analytical Tire Model for Cornering Simulation. Part I: Cornering Power and Self-Aligning Torque Power (K. Kabe and N. Miyashita), 84–99 (2006)
CP/SATP system model
A New Analytical Tire Model for Cornering Simulation. Part I: Cornering Power and Self-Aligning Torque Power (K. Kabe and N. Miyashita), 84–99 (2006)
deformation and fracture
The Behavior of Carbon Black-Filled Natural Rubber under High Strain Rates (Syeda A. Hussain and Michelle S. Hoo Fatt), 119–134 (2006)
DMA
Truck Tire Thermal-Mechanical FEA and DMA with Application to Endurance Evaluation (H. S. Yin, Y. S. Hu, H. Zhang, M. M. Yang, and Y. T. Wei), 220–236 (2006)
endurance
Truck Tire Thermal-Mechanical FEA and DMA with Application to Endurance Evaluation (H. S. Yin, Y. S. Hu, H. Zhang, M. M. Yang, and Y. T. Wei), 220–236 (2006)
FEA
Truck Tire Thermal-Mechanical FEA and DMA with Application to Endurance Evaluation (H. S. Yin, Y. S. Hu, H. Zhang, M. M. Yang, and Y. T. Wei), 220–236 (2006)
FEM
Contact Analysis of Tire Tread Rubber on Flat Surface with Microscopic Roughness (M. Kuwajima, M. Koishi, and J. Sugimura), 237–255 (2006)

finite element analysis
Rim Slip and Bead Fitment of Tires: Analysis and Design (C. Lee), 38–63 (2006)
Multi-Objective Design Problem of Tire Wear and Visualization of Its Pareto Solutions (M. Koishi and Z. Shida), 170–194 (2006)
A Finite Element Algorithm for the Prediction of Steady-State Temperatures of Rolling Tires (K. V. Narasimha Rao, R. Krishna Kumar, P. C. Bohara, and R. Mukhopadhyay), 195–214 (2006)
friction
Contact Analysis of Tire Tread Rubber on Flat Surface with Microscopic Roughness (M. Kuwajima, M. Koishi, and J. Sugimura), 237–255 (2006)
friction coefficient
A New Analytical Tire Model for Cornering Simulation. Part II: Cornering Force and Self-aligning Torque (N. Miyashita and K. Kabe), 100–118 (2006)
heavy-duty radial tires
Truck Tire Thermal-Mechanical FEA and DMA with Application to Endurance Evaluation (H. S. Yin, Y. S. Hu, H. Zhang, M. M. Yang, and Y. T. Wei), 220–236 (2006)
high strain rate
The Behavior of Carbon Black-Filled Natural Rubber under High Strain Rates (Syeda A. Hussain and Michelle S. Hoo Fatt), 119–134 (2006)
interference profiling
Rim Slip and Bead Fitment of Tires: Analysis and Design (C. Lee), 38–63 (2006)
inverse analysis
A New Analytical Tire Model for Cornering Simulation. Part I: Cornering Power and Self-Aligning Torque Power (K. Kabe and N. Miyashita), 84–99 (2006)
A New Analytical Tire Model for Cornering Simulation. Part II: Cornering Force and Self-aligning Torque (N. Miyashita and K. Kabe), 100–118 (2006)
inverse problem
Multi-Objective Design Problem of Tire Wear and Visualization of Its Pareto Solutions (M. Koishi and Z. Shida), 170–194 (2006)
least-squares fitting
A New Analytical Tire Model for Cornering Simulation. Part I: Cornering Power and Self-Aligning Torque Power (K. Kabe and N. Miyashita), 84–99 (2006)
A New Analytical Tire Model for Cornering Simulation. Part II: Cornering Force and Self-aligning Torque (N. Miyashita and K. Kabe), 100–118 (2006)
mixed Lagrangian Eulerian technique
A Finite Element Algorithm for the Prediction of Steady-State Temperatures of Rolling Tires (K. V. Narasimha Rao, R. Krishna Kumar, P. C. Bohara, and R. Mukhopadhyay), 195–214 (2006)
motion resistance
Finite Element Modeling of Tires on Snow (S. Shoop, K. Kestler, and R. Haehnel), 2–37 (2006)

multi-objective genetic algorithm
Multi-Objective Design Problem of Tire Wear and Visualization of Its Pareto Solutions (M. Koishi and Z. Shida), 170–194 (2006)
multi-objective optimization
Multi-Objective Design Problem of Tire Wear and Visualization of Its Pareto Solutions (M. Koishi and Z. Shida), 170–194 (2006)
N550 carbon black
The Behavior of Carbon Black-Filled Natural Rubber under High Strain Rates (Syeda A. Hussain and Michelle S. Hoo Fatt), 119–134 (2006)
natural rubber
The Behavior of Carbon Black-Filled Natural Rubber under High Strain Rates (Syeda A. Hussain and Michelle S. Hoo Fatt), 119–134 (2006)
noise and vibration isolation
Reducing Tire-Induced Noise and Vibration (C. Yilmaz, G. M. Hulbert, and N. Kikuchi), 135–147 (2006)
non-pneumatic wheel
Development of a Non-Pneumatic Wheel (T. B. Rhyne and S. M. Cron), 150–169 (2006)
on-center steering
Ranking Tires for Heavy Truck Steering Feel Performance Using a Simulation Model (S. L. Haas), 64–82 (2006)
Pareto solution
Multi-Objective Design Problem of Tire Wear and Visualization of Its Pareto Solutions (M. Koishi and Z. Shida), 170–194 (2006)
passive suspension design
Reducing Tire-Induced Noise and Vibration (C. Yilmaz, G. M. Hulbert, and N. Kikuchi), 135–147 (2006)
performance
Finite Element Modeling of Tires on Snow (S. Shoop, K. Kestler, and R. Haehnel), 2–37 (2006)
Petrov-Galerkin Eulerian technique
A Finite Element Algorithm for the Prediction of Steady-State Temperatures of Rolling Tires (K. V. Narasimha Rao, R. Krishna Kumar, P. C. Bohara, and R. Mukhopadhyay), 195–214 (2006)
Pneumatic tyre
A Finite Element Algorithm for the Prediction of Steady-State Temperatures of Rolling Tires (K. V. Narasimha Rao, R. Krishna Kumar, P. C. Bohara, and R. Mukhopadhyay), 195–214 (2006)
rim slip
Rim Slip and Bead Fitment of Tires: Analysis and Design (C. Lee), 38–63 (2006)
rolling/sliding contact
Contact Analysis of Tire Tread Rubber on Flat Surface with Microscopic Roughness (M. Kuwajima, M. Koishi, and J. Sugimura), 237–255 (2006)
seasonal
Finite Element Modeling of Tires on Snow (S. Shoop, K. Kestler, and R. Haehnel), 2–37 (2006)
self-aligning torque
A New Analytical Tire Model for Cornering Simulation. Part II: Cornering Force and Self-aligning Torque (N. Miyashita and K.

Kabe), 100–118 (2006)
self-aligning torque power
A New Analytical Tire Model for Cornering Simulation. Part I: Cornering Power and Self-Aligning Torque Power (K. Kabe and N. Miyashita), 84–99 (2006)
self-organizing map
Multi-Objective Design Problem of Tire Wear and Visualization of Its Pareto Solutions (M. Koishi and Z. Shida), 170–194 (2006)
snow model
Finite Element Modeling of Tires on Snow (S. Shoop, K. Kestler, and R. Haehnel), 2–37 (2006)
steady state temperatures
A Finite Element Algorithm for the Prediction of Steady-State Temperatures of Rolling Tires (K. V. Narasimha Rao, R. Krishna Kumar, P. C. Bohara, and R. Mukhopadhyay), 195–214 (2006)
surface roughness
Contact Analysis of Tire Tread Rubber on Flat Surface with Microscopic Roughness (M. Kuwajima, M. Koishi, and J. Sugimura), 237–255 (2006)
thermal-mechanical analysis
Truck Tire Thermal-Mechanical FEA and DMA with Application to Endurance Evaluation (H. S. Yin, Y. S. Hu, H. Zhang, M. M. Yang, and Y. T. Wei), 220–236 (2006)
tire
Rim Slip and Bead Fitment of Tires: Analysis and Design (C. Lee), 38–63 (2006)
tire model
A New Analytical Tire Model for Cornering Simulation. Part I: Cornering Power and Self-Aligning Torque Power (K. Kabe and N. Miyashita), 84–99 (2006)
A New Analytical Tire Model for Cornering Simulation. Part II: Cornering Force and Self-aligning Torque (N. Miyashita and K. Kabe), 100–118 (2006)
tire part stiffness
A New Analytical Tire Model for Cornering Simulation. Part I: Cornering Power and Self-Aligning Torque Power (K. Kabe and N. Miyashita), 84–99 (2006)
A New Analytical Tire Model for Cornering Simulation. Part II: Cornering Force and Self-aligning Torque (N. Miyashita and K. Kabe), 100–118 (2006)
tire tread rubber
Contact Analysis of Tire Tread Rubber on Flat Surface with Microscopic Roughness (M. Kuwajima, M. Koishi, and J. Sugimura), 237–255 (2006)
tire-rim interference
Rim Slip and Bead Fitment of Tires: Analysis and Design (C. Lee), 38–63 (2006)
Tweel™
Development of a Non-Pneumatic Wheel (T. B. Rhyne and S. M. Cron), 150–169 (2006)
vehicle
Finite Element Modeling of Tires on Snow (S. Shoop, K. Kestler, and R. Haehnel), 2–37 (2006)

vehicle dynamics
Ranking Tires for Heavy Truck Steering Feel Performance Using a Simulation Model (S. L. Haas), 64–82 (2006)
vehicle simulation
Ranking Tires for Heavy Truck Steering Feel Performance Using a Simulation Model (S. L. Haas), 64–82 (2006)
wear
Multi-Objective Design Problem of Tire Wear and Visualization of Its Pareto Solutions (M. Koishi and Z. Shida), 170–194 (2006)
winter
Finite Element Modeling of Tires on Snow (S. Shoop, K. Kestler, and R. Haehnel), 2–37 (2006)

Tire Science and Technology Author Index to Volume 34 2006

A

Anderson, A.: see Ayers, P. D., 256–274 (2006)
Ayers, P. D.:
Evaluation of Low Impact Military Tires (P. D. Ayers, H. Howard, A. Anderson, and Q. Li), 256–274 (2006)

B

Bohara, P. C.: see Narasimha Rao, K. V., 195–214 (2006)

C

Cron, S. M.: see Rhyne, T. B., 150–169 (2006)

F

Fatt, Michelle S. Hoo: see Hussain, Syeda A., 119–134 (2006)

H

Haas, S. L.:
Ranking Tires for Heavy Truck Steering Feel Performance Using a Simulation Model (S. L. Haas), 64–82 (2006)
Haehnel, R.: see Shoop, S., 2–37 (2006)
Howard, H.: see Ayers, P. D., 256–274 (2006)
Hu, Y. S.: see Yin, H. S., 220–236 (2006)
Hulbert, G. M.: see Yilmaz, C., 135–147 (2006)
Hussain, Syeda A.:
The Behavior of Carbon Black-Filled Natural Rubber under High Strain Rates (Syeda A. Hussain and Michelle S. Hoo Fatt), 119–134 (2006)

K

Kabe, K.:
A New Analytical Tire Model for Cornering Simulation. Part I: Cornering Power and Self-Aligning Torque Power (K. Kabe and N. Miyashita), 84–99 (2006)
see Miyashita, N., 100–118 (2006)
— Erratum: "A New Analytical Tire Model for Cornering Simulation. Part I: Cornering Power and Self-Aligning Torque Power" [Tire Sci. Technol. 34, 84 (2006)] and "Part II: Cornering Force and Self-Aligning Torque" [Tire Sci. Technol. 34, 100 (2006)] — 215–216(E) (2006)
Kestler, K.: see Shoop, S., 2–37 (2006)
Kikuchi, N.: see Yilmaz, C., 135–147 (2006)
Koishi, M.:
Multi-Objective Design Problem of Tire Wear and Visualization of Its Pareto Solutions (M. Koishi and

Z. Shida), 170–194 (2006)
see Kuwajima, M., 237–255 (2006)
Kumar, R. Krishna: see Narasimha Rao, K. V., 195–214 (2006)
Kuwajima, M.:
Contact Analysis of Tire Tread Rubber on Flat Surface with Microscopic Roughness (M. Kuwajima, M. Koishi, and J. Sugimura), 237–255 (2006)

L

Lee, C.:
Rim Slip and Bead Fitment of Tires: Analysis and Design (C. Lee), 38–63 (2006)
Li, Q.: see Ayers, P. D., 256–274 (2006)

M

Miyashita, N.: see Kabe, K., 84–99 (2006)
— A New Analytical Tire Model for Cornering Simulation. Part II: Cornering Force and Self-aligning Torque — 100–118 (2006)
see Kabe, K., 215–216(E) (2006)
Mukhopadhyay, R.: see Narasimha Rao, K. V., 195–214 (2006)

N

Narasimha Rao, K. V.:
A Finite Element Algorithm for the Prediction of Steady-State Temperatures of Rolling Tires (K. V. Narasimha Rao, R. Krishna Kumar, P. C. Bohara, and R. Mukhopadhyay), 195–214 (2006)

R

Rhyne, T. B.:
Development of a Non-Pneumatic Wheel (T. B. Rhyne and S. M. Cron), 150–169 (2006)

S

Shida, Z.: see Koishi, M., 170–194 (2006)
Shoop, S.:
Finite Element Modeling of Tires on Snow (S. Shoop, K. Kestler, and R. Haehnel), 2–37 (2006)
Sugimura, J.: see Kuwajima, M., 237–255 (2006)

W

Wei, Y. T.: see Yin, H. S., 220–236 (2006)

Y

Yang, M. M.: see Yin, H. S., 220–236 (2006)
Yilmaz, C.:
Reducing Tire-Induced Noise and Vibration (C. Yilmaz, G. M. Hulbert, and N. Kikuchi), 135–147 (2006)

Yin, H. S.:
Truck Tire Thermal-Mechanical FEA and DMA with Application to Endurance Evaluation (H. S. Yin, Y. S. Hu, H. Zhang, M. M. Yang, and Y. T. Wei), 220–236 (2006)

Z

Zhang, H.: see Yin, H. S., 220–236 (2006)